



THE NEW QUARTER'S POSTER AWARDS are seen above as Athala Markland displays the socket wrench set. At her right is seen the stadium seats which are also included in the poster contest. The first place winner will take his choice of these awards.

## 'Communications: A Safety Factor,' Is New Poster Theme

Another quarterly poster contest opened March 1, sponsored by the Safety Department. This will cover the third quarter of calendar year 1963, from July 1 through September 30.

This current contest remains open through March, April, and May. The deadline for filing entries is May 31.

The theme for the new contest is "Communications: A Safety Factor." Prizes featured in this contest are a socket wrench set and two stadium seats. The first place winner, as usual, will take his choice of the two awards.

Any Y-12 employee, or member of his family, may enter the poster race. Entries should be submitted on white paper, preferably eight and one-half inches by 11.

The name, badge number and department number should appear on the entry. (If a member of the family submits a poster, the relationship of the employee should also appear.)

Wording for the suggested poster should not exceed 10 words. A sketch should accompany the entry, or a written description of the intended sketch. The winning poster is adapted for plantwide use.

Winners in the January contest, as well as the second quarterly winners (which will be announced shortly) are ineligible for the poster race, as well as employees in the Safety Department.

Entries should be mailed to the Safety Department, Room 154, Building 9704-2, Zone 2.

## Belgian Scientist Is ORNL Seminar Leader

Friday's Physics Division Seminar at the Oak Ridge National Laboratory will feature P. F. M. Fettweis, Centre d'Etude de l'Energie Nucleaire, from Mol, Belgium. The topic is announced as a "Study of Some Short Lived Isomeric States at C.E.N., Mol."

The seminar will be held Friday, March 8, at 3:15 p.m., in the East Auditorium of ORNL's 4500 Building.

## Cafeteria Face-Lifting Job Near Completion; New Equipment, Procedures Will Be Featured

The face-lifting in Y-12's Cafeteria is nearing completion . . . new colors, new trays and new procedures.

With only one line existing (on the right of the Cafeteria) there are two steam tables, side by side, and a sandwich line. Customers desiring sandwiches go to the right of the line, then blend back into the general line. With two steam tables operating, a skip-line is recommended. That is, if someone in front is waiting to be served, simply go around him. The line has been widened to allow this skipping. Skip-lining eliminates needless time spent in waiting for service.

Steam table customers keep to the left (or the longest section of the serving area.) A divider is planned to separate the customer line from the dining area. Plans to install the metal dividing aisle will be completed shortly.

### New Electronic Oven

A new electronic oven has been installed for the quick preparation of sandwiches. These sandwiches, hamburgers, cheeseburgers, hot dogs, grilled cheese, etc., began serving last Monday, March 4. Self-servicing dispensers for coffee and tea have been provided.

Two cafeteria cashiers are provided for quick check-out service. Here a skip-line is also recommended. Just go around the man in front of you, and move to the cashier with the shortest line.

### New Disposal Plan

Another new feature concerns the neater method for disposal of dishes and the resulting ready availability of tables to subsequent diners. Customers will eat from the trays, leaving the dishes on the tray. When finished eating the customer carries his tray and dishes to the mobile racks conveniently located at various points in the dining room. This system will begin as soon as the new, attractively colored trays arrive.

Y-12's Cafeteria has been in continuous operation nearly 20 years . . . it opened June 13, 1943, back in the infancy of Y-12. Four of the present employees came the first year of operations . . . Mary Tackett, Irene B. King, Vena Mae Summitt, and Manager George J. McNamee. Many of the other employees there are among the old-time Y-12ers.

Cleanliness is an important by-



TWIN CASHIERS SPEED up checking out time in line at Y-12's Cafeteria. In the photograph at the top, it is demonstrated how dual cashiers 'take up the slack' and speed getting through the lineup. In the lower photograph, Virginia Newby shows that it's polite to go around somebody in line. The skip-line is recommended with the addition of another steam table. If somebody is waiting in front to be served, just go around him in line. He'll understand, and you'll get through quicker.

word in Y-12's Cafeteria. The spotless stainless steel equipment is kept shiningly clean. The State of Tennessee requires that food handlers have an annual physical examination. Employees in our cafeteria have two each year, twice the number specified by law.

Food service is provided to Y-12ers as a convenience on a non-profit basis with the most wholesome food available to employees at the least possible cost. With a minimum of inconvenience the remodeling was accomplished (and is being accomplished) without closing for a single day. The new atmosphere in the cafeteria, with new services, will provide

an even more attractive hot meal (or sandwich) than ever for hundreds of hungry Y-12ers.

The Cafeteria is a part of the Employee Services section of the Industrial Relations Division.

## Passing Another Car Can Be Safe, But . . .

When passing another car, remember that it is moving too. The National Safety Council recommends that you don't cut back in front of it until you can see its headlights in your rear-view mirror.



SANDWICH TAKERS WILL GO TO THE FAR RIGHT of the Cafeteria line for this service . . . then blend back into the main line, to pick up salads, tea, or coffee, and desserts, and, of course, face the cashier. Customers at the steam table are advised to skip around someone in front of them. The lane has been widened to allow customers to go around each other in line, to eliminate needless waiting.

## SAFETY SCOREBOARD

The Y-12 Plant Has  
Operated  
12 Days Or  
328,000 Man-Hours  
(Unofficial Estimate)  
Without A Disabling  
Injury  
Through March 3  
Phone 7755  
For Daily Report  
On Accident-Free Hours



# The Bulletin

Published Weekly For The  
Y-12 Employees Of  
UNION CARBIDE  
NUCLEAR COMPANY  
Division of



UNION CARBIDE CORPORATION  
JAMES A. YOUNG Editor

Member Appalachian  
Industrial  
Editors' Association

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## Government Property Sales Are Upcoming

### Sealed Bids Will Be Opened March 15

Two additional sealed bids sales of government-owned property are announced by the Government Property Sales Office.

The first lot contains machine tools consisting of lathes, drill presses, 2000-ton forming press, 50-ton locomotive crane, approximately 75,000 pounds of machine parts for King, Monarch, Bullard, Sidney, L & S, and American, consisting of saddles, turrets, splines, steady-rests, tailstocks and chuck jaws. Another lot of approximately 90,000 pounds of machine parts for King, Monarch, L & S, Cincinnati, and Van Morman consisting of rising block, tailstocks, arm supports, saddles, gear housing, sheaves, steady-rests, chucks, counter weights, splines and others. Electrical and machine parts are included consisting of motors, motor parts, heating elements, magnetic contactors and filter parts. There are fork lift trucks, motor scooters, typewriters, and pickup trucks. Mobile crane, type 22-B Bucyrus, mounted on Sterling truck, with 75 boom, 1951 Line Truck and 40,000 pounds of polyethylene scrap also included in this lot.

The other sealed bid sale includes approximately 296,000 pounds of secondary nickel ingots, 65,000 pounds of secondary aluminum ingots, 178,000 pounds of Meehanite turnings, and two lots of heavy iron and steel turnings.

Both sales to be sold on sealed bids which will be opened at 2 p.m., March 15.

An invitation to bid may be received, either by writing or telephoning the Sales Office—Government Property, P. O. Box M, Oak Ridge, or telephone extension 4601.

## Y-12ers Celebrating 15, 10 Year Anniversaries

Congratulations to the following Y-12ers who will observe 15 and 10 year anniversaries with Carbide within the next few days.

### 15 YEARS

Hubert Myers, Building, Grounds and Maintenance Shops, March 8.

Robert B. Bullard, Building, Grounds and Maintenance Shops, March 8.

Jake H. Seivers, Building, Grounds and Maintenance Shops, March 12.

John A. Coston Sr., Garage, March 12.

### 10 YEARS

James P. Thomas, Electrical, March 6.

Louis Kovach, General Mechanical Engineering, March 9.

Walter J. Kisiah, Process Maintenance, March 9.



The old expression "Everybody talks about the weather . . . nobody does anything about it" just isn't true any more. We know a man who does something about it . . . he gripes.

We gave up griping back in mid-December. It got too cold to open the mouth very widely . . . and then griping between clenched teeth never was very much fun.

Aside from gripes, at Y-12 it's told in

### ENGINEERING

Congratulations are going to G. J. Angele, Engineering Mechanics, on his re-election to the Board of Plumbing Examiners for the City of Oak Ridge. His term begins March 10, 1963, and extends through March 10, 1966. In a letter from Mayor Robert A. McNees, Angele was informed: "On behalf of the entire Council and myself personally, please accept our heartfelt thanks and appreciation for the excellent job you and all the members of this Board have performed for this City and we are grateful to you for your willingness to assume this responsibility for the next three years. Please feel free to let us know when we can be of assistance to you."

Whatever it is that's going around has caught Tool Engineering folks with Kermit Vinson, Wayne Schrader, Ross Goosie, Dan Palkowski, Carl St. Onge, and Benny Trent all victims. Get well soon, everyone.

Get well wishes are still sent to Nora Hurst, patiently a patient at St. Mary's. The flu bug has kept visitors to a minimum, but friends want Nora to know they have tried to keep in touch.

Lon McNeil became a proud grandfather February 22. His son David and wife had a pretty little girl, Kathy, born to them at Baptist Hospital, Memphis. David also made the Dean's List recently at Memphis Medical school. Congratulations. It's not everybody that can become a father and make the dean's list all in the same month. (Some people can't do either!)

Folks shared coffee and cake the other day with W. K. Forrester, who transferred out to Project Engineering. But then a big welcome mat was rolled out for E. R. Watkins.

The drink made of vodka and orange juice is called a screwdriver. A new drink has come along . . . vodka, orange juice, and milk of magnesia . . . it's called a Phillip's screwdriver.

### FINANCE AND MATERIALS

Reproduction has E. A. Hauther vacationing at home last week around Knoxville.

Get well wishes are sent to W. R. Worthington, Timekeeping, who is out ill.

Property passes out word that Gertrude Gentry vacationed last week in Nashville.

### MAINTENANCE



Gregory Spencer McSpadden

This little fat man arrived on a cold day in February, on George Washington's birthday, to

be exact. He is Gregory Spencer McSpadden, son of S. A. McSpadden, Research Services. Weighing eight pounds and seven ounces, Greg arrived in the afternoon at 2:25 p.m.

A small town is where everyone knows whose check is good and whose husband is not!

### MECHANICAL OPERATIONS

The H-2 Shop has J. W. Kyle vacationing recently to spend some time with his grandchildren.

The same locale reports that H. F. Harris "got carried away to ole Virginny" on the holiday week-end to visit relatives.



Pvt. Kenneth Barry Emert

Visiting his parents recently was Pvt. Kenneth Barry Emert, now proudly of the United States Marine Corps. He just completed basic training at Parris Island, South Carolina . . . and as any boot can tell you, that's a beautiful place . . . ugh!! Kenneth is the son of Mr. and Mrs. Kenneth P. Emert, 3916 Applewood Drive, Knoxville. His dad is in Y-12's General Metal Fabricating Shop.

An interesting test to your memory is to try to remember what worried you yesterday.

Women can never be as successful in business as men. They have no wives to advise them.

### SHIFT SUPERINTENDENTS AND UTILITIES

Get well wishes are sent to several folks off ill, namely D. H. Rader, H. N. Benninghoff, F. D. Bender and Joe Smyrl.

Also a speedy recovery is sent to J. A. Woods in the Harriman Hospital . . . and to T. E. Barnes, ill at home.

Taking an early vacation (early in the year, that is), is I. J. Maples, staying around home.

Classified advertisement on a used car: "Owned by a young fellow . . . used mostly for parking."

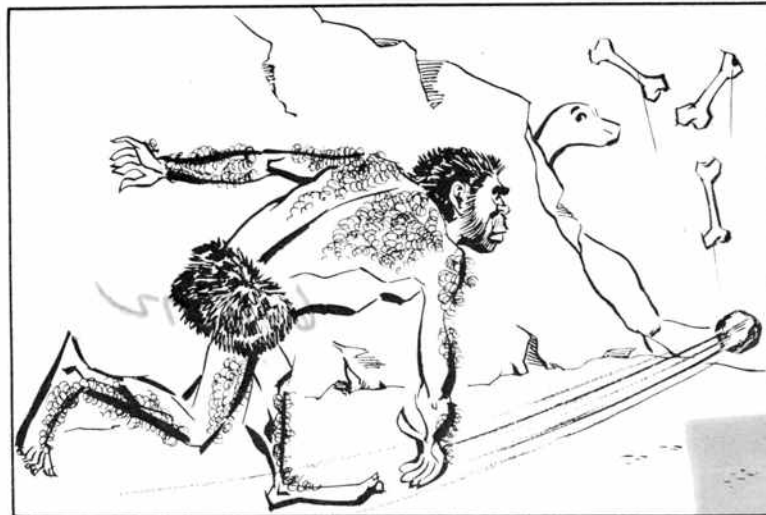
### INDUSTRIAL RELATIONS

The following Fire and Guardsmen are welcomed back after various and sundry ailments: H. W. Krouse, L. H. Perry, G. A. Cowan and B. F. Robinette.

Best wishes go to the following new crew of ailing men: W. W. Hammer, ill in St. Mary's Hospital; T. E. Ford, W. R. McGill and Arnold Tiller, all ill at home.

Tripping down to Macon, Georgia, were the T. H. Allison's. The object: to give away a daughter, Eleanor, and to gain a son. Pictures of the "to do" will follow, it says here.

Married men have a distinct



## Bowling Serves Dual Purpose -- Mental Therapy Plus Lots Of Fun

The game of bowling probably started in the early dawn of history. The chief held a good luck charm, the magician held a big rock, and everyone else held his breath. In a moment the whole tribe would know whether the gods were going to be good.

The magician wound up his throwing arm and the big rock went rolling toward the 10 sheep bones that had been planted upright in the earth. The rock crashed home. The bones all toppled and the first strike was made by man!

Students of ancient history say that is how bowling began. If man hadn't been anxious to learn the will of the gods, bowling would never have become a sport. And although only a few fanatical bowling fans still insist that there are gods who bestow special favors on good bowlers, psychologists do say that many bowlers today are participating in the sport for almost the same reason that men did at the dawn of history.

### Stack Up Your Woes

Where else but in a bowling alley, psychologists ask, can you stack all your troubles so neatly and then knock them into limbo with one sweep? Doesn't the crash of falling pins give one almost the same satisfaction that men once got from knocking each other's heads off?

It does, the psychologist insists. Listen to this woman's story:

"All day long I worry. Will my husband's shirts get back from the laundry in time? What shall I cook for dinner tonight? Why aren't the kids doing better in

advantage over single men . . . They know where every penny goes . . . their wives spend it!

### TECHNICAL



Steven Daniel Bailey

Another alert youngster was added to a Y-12 family recently, as Steven Daniel Bailey came on the scene February 11. It's two boys, and two girls now for the M. L. Bailey family. (He's in Radiation Safety.) Steve weighed six pounds, three ounces on his arrival.

The supply of news and stale jokes just ran out. P.S. We did too!

school? Well, I go bowling twice a week. When I let that ball go sailing toward the pins and see them flying, I somehow feel a lot better."

"Why do I bowl?" stated a pretty steno . . . "There are some attractive men at the bowling lanes. It's a good way to meet people."

### Brings Out The Shy

Bowling helps to bring shy people out of their shells, states Dr. Morris Fishbein, former editor of the "Journal of the American Medical Association." It also relieves tension, gets rid of hostility, and keeps one physically in shape as well as relieving mental strains.

In recent years, bowling centers have become cheerful neighborly social centers. Use of bright modern furniture and attractive lighting, together with snack bars and restaurants, have drawn thousands of new people to bowling. Nurseries abide in many alleys to provide built-in baby-sitting. Music is often softly piped in over the clang of falling pins. (Y-12 leagues often find themselves rolling to the tune of "Maple on the Hill.")

### Improvements Made

Bowling has become much more scientific since the fast working pinspotter replaced the pinboy to keep waiting between frames short and to set up pins more accurately. Scorekeeping has become easier through the recent addition of the "pindicator" — a device that lights up a diagram to show which pins have been knocked down and which are still standing.

Many bowlers are naming the seven pin "Old Castro" . . . the 10 pin "Khrushchev." "We'll show you who's going to bury whom," they mutter as they fling the ball down the lane.

For whatever reason sportsmen are bowling . . . physically, mentally, or a throwback to the ancient times to invoke the pleasure of gods, the sport is one of the fastest, most furious, and upcoming sports on the American scene. A person who hasn't registered a strike yet just hasn't experienced a nice, fat, healthy chuckle.

## All-Carbide Bowling Tournament Deadline

Y-12 bowlers interested in rolling in the All Carbide Tournament coming the last two week-ends of March are cautioned of the deadline. Final entry time in the three-plant alley competition is Friday, March 8, at noon.

If your entry (and fee) is not in by then, telephone Recreation, at telephone extension 7109. The dates for the tournament are March 23, 24 and 30 and 31.



# Basketball Lead Safely To Atoms

Nine Wins — No Losses Record

The invincible Atoms continued their undefeated streak in the Carbide Basketball League last week. Early in the week they took the Misfits 56 to 37. The Atoms jumped to an early lead in this one, and added to it each quarter. Their combination of fast break and the ability to control the boards are the difference. Playing without their big scorer Jim George, the Atoms' Conrad Strike hit the boards high with 18 points . . . Bob Rose had 16. For the Misfits Don Mahaffey had 16, Jerry Babb nine.

The ORGDP All Stars smeared the Y-12 Eagles in the second game of the week, 56 to 39. This was a real ball game until the latter part of the third quarter. The All Stars' Mothershed banished all hopes the Eagles may have had for an upset when he fired eight big points. Bob Coulton and John Pridgeon led scoring for the losing Eagles with 15 each. All Stars' Clark and Mothershed had 15 and 12 each for tops on the winning side.

## Tight Ones Thursday

After runaway games early in the week, Thursday night's games turned out to be real thrillers. The Y-12 Misfits eked out a 36 to 35 victory over the ORGDP Lab Demons. The 'Fits started slow, but caught fire in the third quarter. Don Mahaffey racked up 17 points. The Demons' Slattery had 10. Jerry Babb calmly sank a foul shot in the last five seconds of the game to put it on ice for the Misfits. (One has to admire that kind of nerve!)

The Atoms had a close call Thursday also, but the All Stars, ORGDP, fell by three points . . . 60 to 57. Jim George was back in his usual shape with 25 big points. This was a hard fought one all the way. The Atoms had the advantage the first half, but Henderson and Clark dissipated any notion of defeat, with both hitting with good accuracy from the field. Clark took the right hand jump shot route, and Henderson chose the left one. They led scoring for the All Stars with 19 points each.

League standings follow:

Team	W	L
Atoms	9	0
Flyers	4	1
All Stars (ORGDP)	5	3
Eagles	4	5
Misfits	2	7
Lab Demons (ORGDP)	0	9

# Skeet League Starts New Play Sunday

The Winter Skeet League for Carbidors is now history. Two teams, the Davy-Asmanes, Swartout-Welfare duets tied for first place with a total of 342 points each. In a shoot off, the Davy-Asmanes team took the round 44 to 40.

Carl Brewster and Ken Bahler took third place with a 330 score.

The next league starts Sunday, March 10. It will consist of three-man teams. Shooters will be assigned to teams on the basis of their averages.

More information may be had by calling Charlie Asmanes at telephone extension 7-8768.

Final league standings:

Team	Points
Davy-Asmanes	342
Swartout-Welfare	342
Bahler-Brewster	330
McNabb-Powers	320
West-Bailey	320
Patton-Murray	284
Steward-Bender	281
Schaefer-Cuthbert	273
Case-Hamby	264
Davis-Lewin	182
Sahr-Hopkins	178

# 4-Squares Hold 3-Point Lead In E Bowling

The lead didn't change much in the E League for Y-12 bowlers last week. The fore-front teams, the Foursquares and Pinquins remained only three points apart with the 'Squares in front. Both teams won by three . . . the 'Squares over the Pintwisters and the Pinquins over the Alleybees. The Cannonballs - Ten Pins match ended in a draw, both teams getting two each.

Jack Rhea, Pintwisters, took high singles, with 226 scratch, 254 handicap scores. He also racked up tops in scratch series with 552. Fred Jones, Foursquares, captured high handicap series with a total of 639. The Foursquares swept team honors with 688 scratch, 837 in singles; and 1893 scratch, 2340 handicap in series play.

League standings follow:

Team	W	L
Foursquares	23	13
Pinquins	20	16
Cannonballs	18	18
Ten Pins	18	18
Alleybees	16	20
Pintwisters	13	23

# Eagles Win 2, Lose 4 Games In Volleyball

Y-12's Eagles dropped three in the Carbide Volleyball League last week to the A Shift team . . . 15-9, 15-7, and 15-6. They turned to play their double-header and took two of these from the Old Men 15-7, 15-5 and lost one 9-15.

The ORSORT team from ORNL lost three to the Set Ups, 15-10, 15-4, and 15-7; then took three from Biology 15-0, 15-2, and 15-9.

Two teams, A Shift, and the Set-Ups are without defeat yet in the new league beginnings.

League standings follow:

Team	W	L
A Shift	9	0
Set-Ups	9	0
Eagles (Y-12)	7	5
ORSORT	5	7
Old Men	3	9
Biology	0	12

# ORNL Keeps 22 Rifle Lead Safely

The Independent team in the 22 Calibre Rifle League gained four points last week in firing. Y-12 gained only three, and the league-leading ORNL team took five.

On Y-12's team it was Bob Powers and Dave DeWalt in scratch firing, each with 288 each. Bert Searles followed with 281. In handicap tallies it was B. C. Sims with 291.718, followed by DeWalt who fired 289.120 in handicap targets.

Total scratch firings were — ORNL: 1417, Independents: 1403; Y-12: 1408. In handicap firing it was — ORNL: 1447.833; ORNL: 1443.497, and Y-12: 1443.159.

League standings follow:

Team	Points
ORNL	23
Y-12	15
Independents	10



"Mr. Beaton will see you now."

# Cool Cats Extend Mixed League Lead

First Berthers Sweep Team Boards

The Cool Cats, in the Mixed League for Y-12 bowlers, got "hot" last week, strengthening their hold on first place. They took the Alley Cats for the full count, while their closest competition, the Goofers dropped three to the fearless Phantoms. The Pin Plasters began their slow climb from the bottom by taking the Toppers for four. The Ghosts took the Scrappers for three points, thus tying with the Goofers for second place.

Joyce Gillihan, already on the boards for the Ghosts, got warmed up again and took high single game with a 200 scratch, 251 handicap game. Ann Rackley, Cool Cats, took high series with 458 scratch, 596 handicap tally. Bob Hagood, Alley Cats, warmed up the old arm by practically sweeping the boards. He had high singles, in order of 244 scratch, 264 handicap, and high scratch series of 561. Nelson Tibbatts, Cool Cats, had high series in handicap play with 662.

The Cool Cats swept the board teamwise, getting higher on the board, with singles of 700 scratch, 858 handicap; and series of 1978 scratch, 2452 handicap. Wow!

League standings follow:

Team	W	L
Cool Cats	24	8
Goofers	19	13
Ghosts	19	13
Scrappers	17	15
Pin Plasters	15½	16½
Phantoms	14	18
Alley Cats	12½	19½
Toppers	7	25

# Sunflowers Inch Into C League Top

Smiths Mixed Up In Previous Highs

The Sunflowers broke the tie-up in the C League for Y-12 bowlers last week by taking four points from the Hookers. The Highlifters dropped to tie for second place by losing three to the Par Busters. The Big Five moved up to second place by virtue of their three point win over the Screwballs. Other wins saw the Lucky Strikes take four from the SP's; the Strikers take three from the C Shift, as the Rodders did likewise to the Rounders.

Walt Goodwin, Sunflowers, took the high single game of the night in the scratch division, with a 226. He also had high series scores with a 639 scratch, 681 handicap tally. J. J. Sewell, SP's, had high handicap singles with 257.

A. E. Smith, Highlifters, is an honest bowler! Last week's Bulletin stated that he had scored high singles, with a 236 scratch and 264 handicap game. It was Al Smith, Big Five, who actually did the big scoring. Apologies to both Smiths for the mix-up. That name is a hard one to remember! The Highlifters' Smith wished the record corrected. It is.

The Highlifters took high singles in scratch with 912. The Par Busters had high handicap tops with 1058 singles and 3007 series tallies. The Lucky Strikes took scratch highs in series with 2654.

League standings follow:

Team	W	L
Sunflowers	23	9
Big Five	20	12
Highlifters	20	12
Lucky Strikes	20	12
Strikers	19	13
Par Busters	18	14
Rodders	15	17
Rounders	15	17
Screwballs	12	20
Hookers	11	21
C Shift	10	22
SP's	9	23

An economist in England has proposed a tax on brain-power. That's the day we'll get a refund, for sure!



TWO CLASSIC TEAMS ARE hot competition for any challenger among the Y-12 bowling sets. The top team (or the team shown at the top) is called the Rebels, and boasts, from left, C. G. Hubbard, Charlie Green, Jack Spears, Capt. U. G. Riddle and T. S. Moody. The lower photo features the Rippers, which boasts the only father-son combination in the league. From left the Rippers are Nelson Tibbatts, A. A. Groppe, Capt. Jay J. Holzkecht, Sterling Ryder, and Wayne Groppe. Paddy Peckman was not around when the Rippers posed for this one.

# All Stars Hold Half-Point Lead In Close Classic Race

The All Stars moved into a one-half point lead in the Classic League for Y-12 bowlers last week by downing the Cubs for three points. The Rippers moved up also by downing the Swingsters by three. The only four point win of the week was the Wolves over the Markers. Other three-point victories were chalked up by the Has Beens over the Rebels, the Bumpers over the Tigers, the Playboys over the Screwballs and the Smelters over the Eightballs.

Len Hart, Bumpers, took scratch highs with a 233 single game and a 658 series total. Dan Stroud, Wolves, had high handicaps with 264 singles and 706 se-

ries totals. The Bumpers took high scratch with 939 singles and 2697 series; the Wasps took handicap singles with 1085 and the Wolves captured series handicap highs with 3050.

League standings follow:

Team	W	L
All Stars	28	12
Rippers	27½	12½
Swingsters	27	13
Has Beens	27	13
Wasps	25	15
Rebels	23	17
Bumpers	22	18
Playboys	20	20
Markers	19	21
Wolves	19	21
Sportsmen	17	23
Screwballs	15	25
Tigers	14½	25½
Smelters	14	26
Cubs	11	29
Eightballs	11	29

# Hi Power Rifle 3-Plant League Set Saturday

An All Carbide High Power Rifle League begins this Saturday, March 9, at the Oak Ridge Sportsmen's Association Range, Oak Ridge. All firings will be at 200 yards, and National Rifle Association Rules will govern the play.

Any center fire rifle of 6 mm bore (.243 caliber) or larger that may be loaded from a clip or magazine may be used.

All firings will be held at 1 p.m. Saturdays, March 9, 16, 23; April 13, 20, 27; and May 4, 25. Competitors must shoot in five of the eight matches to be eligible for prizes in the league competition.

Dave White, ORGDP, is league director. He may be reached at extension 8-9256. Statistical Officer is Carl Brewster at extension 7554, and Range Officer is W. H. Kelley, at extension 7-8990.

Carbidors wishing to enter the High Power Rifle play should contact any one of the above men.

## NEW WORD COINED

One of the ugliest words in its history has been added to the English language . . . the word hootenanny. It means a songfest . . . usually folk songs. A television show has made its debut bearing this name.

# Dry Hides Are New Bush League Tops

See-Saw Battle Sees Another Change

Musical chairs were again played in the Bush League for Y-12 bowlers last week. This time the lead goes to the Dry Hides in their three point win over the Beavers. Thus the see-saw battle continues. The Rusty Five lost four to the Hi Balls, the Rollmasters took three from the Lucky Five. The Reagents and Rollniks split two, and the Seven Sixties rested on the bye-of-the-week.

Jim Bryson, Beavers, rolled high single game of the day with a 214 scratch, 257 handicap game. J. W. Halsey, Rusty Five, had high series in scratch play, rolling 531, while Van Barnes had high series in handicap play with 662.

The Beavers took singles with 897 scratch, 1095 handicap tallies. The Rollmasters had high scratch series of 2415; while the Dry Hides posted high handicap series of 2972.

League standings follow:

Team	W	L
Dry Hides	34	18
Rusty Five	30	22
Reagents	27	21
Hi Balls	27	21
Rollmasters	25½	26½
Beavers	22	26
Lucky Five	22	26
Seven Sixties	17½	30½
Rollniks	19	33



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## Linde's Manz Is AWS Lecturer In Series

### Will Discuss Power Supplies For Industry

The second in a series of educational lectures sponsored by the Northeast Tennessee American Welding Society will be held next Tuesday, March 2, at 7:30 p.m. The session will take place in Room 114, of the University of Tennessee's Dabney Hall. It is sponsored jointly by the AWS and the Department of Chemical and Metallurgical Engineering at UT.

The second session will be on the "Advancement in Power Supplies for Industry." Heading the session will be August F. Manz, development engineer in the Electric Welding Development Department of the Linde Company's Newark Laboratories. Linde is a division of Union Carbide Corporation.

Since joining Linde in 1957, Manz has worked on mathematical and oscillographic analyses of short arc processes. He holds patents in the fields of D.C. power supplies, arc-stabilizing devices for consumable electrode welding, inductive kick arc starting and others. His concern with power sources has resulted in participation in most of Linde's welding process studies. While he uses the mathematical approach extensively, his work has always been closely related to commercial usefulness.

A member of AWS, IEEE, and the Institute of Welding, Manz holds a Bachelor and Master of Science Degree in Electrical Engineering from the Newark College of Engineering.

Details on the AWS meeting next week at UT may be obtained from D. G. Scott, telephone extension 7-8253.

## Art Center Shows Modern Italians

The Oak Ridge Art Center opened Sunday with a memorable exhibit of contemporary Italian art. The show will open again next Sunday, March 10, and again the following Sunday, March 17, from 3 until 6 p.m. A special showing will also include tomorrow, Thursday, March 7 from 7 until 9 p.m.

The exhibit consists of 27 oils, 13 lithographs and watercolors, and 10 pieces of sculpture. All items have been loaned by Oak Ridge collections. The bulk of the show will be from the collection of Dr. and Mrs. Alexander Hollaender (he is director of ORNL's Biology Division in Y-12.) The Hollaender collections are unique in this part of the country in both quality and quantity.

The Art Center is located at Ogden Lane and Outer Drive. Admission to the current contemporary exhibit is, of course, free.

Represented in the collection are works by Burri, Aspetto, Bodine, Carmassi, Campigle, Cassinari, Chigine, Capogrossi, Corpora, Bova, Loffredo, Marini, Merlotti, Mirko, Consagra, Santomaso, Severine, and Vespignani.



August F. Manz

## UN Study Group Offers Seminar

The United Nations Study Group of Oak Ridge is preparing a seminar dealing with peace through world law and disarmament. Alex Meyer, Oak Ridge National Laboratory Solid State Division, will head the 12-session seminar.



Alex Meyer

Sessions one and two of the seminar are an intensive introduction to the problem of preventing war through the use of law. Sessions three through six are devoted to a study of the present UN structure, revising, and strengthening the UN in order to achieve and maintain peace. Session seven deals with a review and overall evaluation of the UN and includes a copy of Dag Hammarskjöld's introduction to his last Annual Report as Secretary General. Sessions eight through 11 discuss the security, military and political aspects of disarmament and its possible economic effects. Session 12 reviews the purpose of the seminar and offers suggestions for further study and rational action.

Further information may be had by calling Frances Loving, telephone Oak Ridge 483-5576.

## Y-12's Anniversary Passes Without Fanfare

Nobody even baked a cake. February 1, Y-12 was 20 years old. The plant moved out of its teens, observing ground-breaking ceremonies (there weren't any) February 1, 1943.

Perhaps folks are just becoming too jaded about anniversaries, special dates, and birthdates (many of us are getting to the age where we'd like to forget them.) Nevertheless, somebody should have baked a cake!

## Haynes Stellite Name Will Include Carbide

### UCC Division Leads Special Alloy Field

The name of Haynes Stellite Company, a division of Union Carbide Corporation, will be changed to Union Carbide Stellite Company within the next few months, it was announced by Birny Mason Jr., president of the corporation. This name change is part of a program designed to identify all Union Carbide divisions more closely with the corporation.

#### Manufactures Alloy

This division of Union Carbide is a leading manufacturer of special alloys. Its products are used extensively in the aircraft, missile, and metal-working industries for applications requiring exceptional resistance to heat; in the chemical processing industry to combat the effects of severe corrosives; and in all industries to protect metal parts exposed to abrasive conditions. Within the past few years, the company has become very active in the refractory metals field, placing special emphasis on columbium, vanadium, tantalum, and tungsten. One of the company's latest developments in this area has been a columbium-base alloy, Cb-752. This is one of the strongest and easiest to fabricate refractory alloys ever produced on a commercial basis for use at temperatures up to 2500 degrees F.

#### Closer Corporate Identification

Robert M. Briney, president of Haynes Stellite Company, stated that the desire to have the division more closely identified with the corporation was the only reason for the pending name change. The company will continue to operate its manufacturing and research facilities in Kokomo, Indiana, and its general sales staff will remain at the plant location. No changes in operating procedures, personnel, or product lines are contemplated. The company's products will continue to be identified by the familiar trademarks: Haynes, Haynes Stellite, Haselloy, Multimet, Stellite, and Haynestellite.

The term "stellite" — from the Latin "stella" meaning star—refers to a group of cobalt-chromium-tungsten alloys that resulted from research by the well-known inventor, Elwood Haynes. The alloys are so called because of their luster. Stellite alloys have been on the market since 1913 and are one of the earliest developments of Haynes Stellite Company.

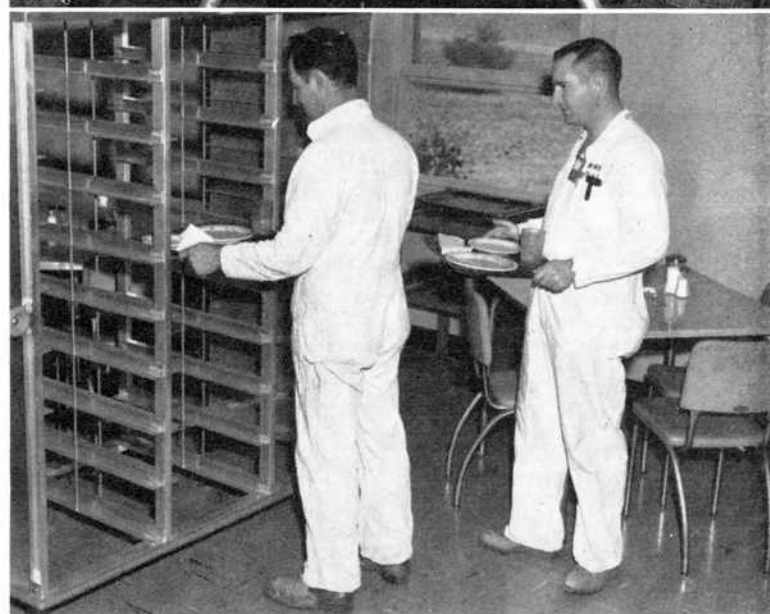
## '3 Penny Opera' Set At Playhouse

Kurt Weill's fabulous "Three-penny Opera" will open for six performances tomorrow, Thursday, March 7, at the Oak Ridge Playhouse. The musical was an instant success when it opened in Berlin in 1928. Banned by Hitler in the early days, the English adaptation, which opened in New York in 1954, ran until December 1961. It was racy, rowdy, unorthodox, charming and delectable, according to critics.

Filled with beggars, pickpockets, ladies of easy reputation, venal police and other "sterling" characters, the opera is not recommended for children. The "Three-penny Opera" will be shown also Friday and Saturday, March 8 and 9, and the following week-end, March 14, 15 and 16.

Mrs. David Alford (he's in Y-12's Machine Maintenance) is in charge of the prop committee for the boisterous comedy. Her job includes such things as building a harpsichord and making a stage with a minimum of scenery.

Weill's immortal opera has become one of the biggest hits of all time in community and university theatres in this country.



**EATING ON ONE'S OWN TRAY** will be initiated in the Cafeteria when the new trays arrive shortly. In the top photograph Sam Kinnamon, Tom Bishop and Paul Michael illustrate the recommended new eating habits. In the lower photograph Ed Cook and Jake Townsend put the trays and dishes away after they have finished eating.

## Oceanography Is ISA Topic Tonight

The Oak Ridge Section of the Instrument Society of America will meet tonight, Wednesday, March 6, at 8 p.m. in the Ridge Recreation Hall, Oak Ridge.

Featured speaker will be James M. Snodgrass who will speak on "Oceanographic Instrumentation."

This talk will cover the highlights of the development of the science of oceanography, the tools used in obtaining information from the ocean depths, the present state of this art, and the more recent scientific advances particularly in the subject of Oceanographic Communications.

The speaker is presently in charge of the Special Developments Division at the University of California's Scripps Institution of Oceanography. Since 1948, he has been responsible for the design and development of many of the instruments used in the advancement of the science of Oceanography.

The major interests of Snodgrass are centered in the fields of electrophysiology, sonar, kinesiology, radio location, sound recording, deep sea instrumentation, physiological acoustics, and underwater telemetry.

Guests will be welcomed at the ISA meeting tonight.



**Ride wanted or will join car pool from Woodland section, Oak Ridge, to North Portal, straight day.** H. C. Huston, plant phone 7771, home phone Oak Ridge 483-5585.

**One rider wanted from Pine Hills, Harriman, to Central, West or Bear Creek Portal, straight day.** R. W. Curtis, plant phone 7-8465, home phone Harriman 882-9291.

**Rider wanted from South Knoxville, Chapman Highway section, to any portal, straight day.** Ed Cook, plant phone 7-8445, home phone Knoxville 577-4786.

## Failure To Spend Will Insure Failure

No business, no manufacturer, no matter what his product or its indispensability, is immune to change, to competition, to the possibility of a competitor or a newcomer producing a better product. Employees who occasionally complain about the size of research expenditures are way off base. Alert stockholders would do well to check the expenditures for research to see if management is spending as much or more than the competition. Today, almost half of the chemical industries' gross revenues come from products that didn't even exist 25 years ago!

## Number of Employed Women Is On Increase

The number of women in gainful employment in the United States has nearly doubled since the start of World War II, it is reported by statisticians of the Metropolitan Life Insurance Co. From 1940 to 1960 their number rose from 11,178,000 to 21,172,000, a greater relative increase than that for employed males.



"A funny thing happened to me on the way from the office."